

COATING COMPOSITION AND A PROCESS FOR ITS PREPARATION

ABSTRACT OF THE DISCLOSURE

A process or preparing a coating composition which involves forming a hydrolysis product is described. The hydrolysis product is formed by hydrolysing, at least one compound represented by general formula I,



5 wherein M is an element selected from the group consisting of Si, Ti, Zr, Sn, Ce, Al, B, VO, In and Zn, R' represents a hydrolysable radical, and m is an integer from 2 to 4. The hydrolysis step may optionally be performed in the presence of at least one compound represented by general formula II,



wherein the radicals R' and R are the same or different, R' is as defined above with formula I, R represents a group selected from an alkyl group, an alkenyl group, an aryl group, a hydrocarbon group with at least one halogen group, an epoxide group, a glycidyloxy group, an amino group, a mercapto group, a  
15 methacryloxy group and a cyano group, and a and b independently of one another have a value from 1 to 3, provided that the sum of a and b is four. The hydrolysis reaction is conducted in the presence of at least 0.6 moles of water for every mole of hydrolysable radical R'. Further described is a multilayered article which includes a substrate, a scratch-resistant coating and  
20 a top layer which is prepared from the coating composition of the invention. Also described is a process of preparing the multilayered article.